

03-Sut-20-PM 12.13/17.06
03-Sut -99-PM 29.67/31.31
Program Code: 201.378
EA: 2F090K
April 2011

Request Programming in 2010 Amended SHOPP

PROJECT LOCATION: In Sutter County in and near Yuba City on SR 20 from Sycamore Canal, PM 12.13, to the Yuba County Line, PM 17.06, and on SR 99 from south of Franklin Road, PM 29.67, to Queens Ave Overcrossing, PM 31.31.

APPROVAL RECOMMENDED:

Laurie J. Lammert
DISTRICT PROGRAM MANAGER, Laurie Lammert

APPROVAL RECOMMENDED:

Ali Kiani
PROJECT MANAGER, Ali Kiani

APPROVED:

Jody Jones
DISTRICT DIRECTOR, Jody Jones

6/6/11
DATE

This project initiation document has been prepared under the direction of the following Registered Civil Engineer. The registered civil engineer attests to the technical information contained herein and the engineering data upon which recommendations, conclusions, and decisions are based.

M. Saeed Chaudhary
PROJECT ENGINEER, M. Saeed Chaudhary

April 14, 2011
DATE



03-Sut-20-PM 12.13/17.06
03-Sut -99-PM 29.67/31.31
Program Code: 201.378
EA: 2F090K
April 2011

Initiating Office/Initiator:

The Program Manager for the 201.378 ADA Infrastructure program has established that a project is needed that meets the qualification for the State Highway Operation and Protection Program (SHOPP).

This project initiation document provides conceptual approval of the proposal and a recommendation to program the project into the current State Highway Operation and Protection Program. A project report will serve as final approval of the proposal.

Need and Purpose:

Need:

The project locations which currently do not meet pedestrian accessibility standards are required to be improved to comply with mandated ADA and Caltrans standards.

Purpose:

Upgrade access for all people to the pedestrian facilities within State's right of way in compliance with the Americans with Disabilities Act (ADA) and in accordance with Caltrans Design Information Bulletin (DIB) 82-04. The 201.378 program brings State facilities into ADA compliance by placing or replacing existing pedestrian facilities where they are currently missing or do not meet current Standards.

Deficiency Summary:

Many locations with pedestrian infrastructure on State highways, which includes sidewalks, curb ramps, accessible pedestrian traffic signals, cross-walks, slopes and cross slopes are not in compliance with the current ADA standards.

Project Proposal:

The project proposes to install new, where required, or reconstruct or upgrade existing pedestrian infrastructure, such as curb ramps, pedestrian paths, cross-walks, traffic signals, and driveways within the State's right-of-way that is not in compliance with the ADA Act and Caltrans DIB 82-04. There are numerous deficiencies within the project limits for SR 20(PM 12.13/17.06) and SR 99(PM 29.67/31.31) through Yuba City. Refer to Attachment A for Location Map. The project is estimated to cost \$7.205 million in capital cost. See the Cost Estimate and Programming section of this PSR and also Attachments H and I.

Systems Planning:

The project is consistent with the ADA act and the Department's Complete Streets policy (DD 64R1).

- Identify Systems

State Route 20 within the City of Yuba City is a State designated High Emphasis Focus Route. State Route 99 within the City of Yuba City is a State designated High Emphasis Route.

- State Planning

Complete Streets concepts are being integrated into Transportation Corridor Concept Report updates.

- Regional Planning

The proposed Sutter SR 20 and 99 ADA upgrade is consistent with the accessibility and mobility goals identified in the Sacramento Area Council of Governments Metropolitan Transportation Plan for 2035.

Landscape:

A preliminary review identifies ten trees that may need to be replaced. A more thorough review at PA&ED stage is likely to reduce this number. One large tree at the corner of Rte 20 and Plumas Street, an obvious visual and environmental resource, may be preserved and protected. See Attachment F for other considerations.

Right of Way:

Most work in the project will be performed within the State's Right of Way, however, some Temporary Construction Easements (TCEs) will be required. Some utility poles will require relocation to provide pedestrian paths that are a minimum of 4 ft wide. See Attachment D for Right of Way Data Sheet.

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Traffic Management Plan (TMP):

The project is located on a multi-lane and a two-lane, two-way highway. ADA work is recommended to be performed during night time hours as the work areas experience heavy traffic volumes during daytime. TMP items are estimated at \$2,500 per traffic control day, while Construction Zone Enhanced Enforcement Program (COZEED) is estimated at \$2,000 per day during nighttime hours whenever CHP involvement is needed. See Attachment E. Appropriate steps will be taken to minimize impacts to affected businesses.

Hazardous Waste

All work is expected to be done within the Caltrans' existing Right of Way. However, soil disturbance is anticipated during construction, and excess soil may be generated. Aerial deposited lead (ADL) and Lead/Chromium Based paint may exist due to the historical use of leaded gasoline and Traffic Striping.

Office of Environmental Engineering is estimating \$12,500 for sampling within the proposed construction limits. See Attachment C for the preparation of Health and Safety Plan to handle such materials.

Utilities:

Some utilities in the State's Right of Way may need to be relocated. These utilities will be identified and shall be the responsibility of the respective Utility Company. Caltrans Right of Way Unit will coordinate with the respective utility company for the relocation.

Storm Water:

The majority of the project will not disturb existing vegetation nor create new slopes. It will not change existing drainage patterns, runoff channels or drains. Most of the locations where new sidewalks and curb ramps are to be installed are already paved, which minimizes the impact on existing drainage patterns and vegetation. Therefore, this project does not have the potential to create water quality impacts.

Temporary construction site BMPs will be deployed under a contractor prepared WPCP. See Attachment G for Storm Water Data Report.

Hydraulics:

It is conservatively estimated that approximately 40 Drainage Inlets (DIs) may require adjustment and approximately 1,500 linear feet of drainage system may be affected in order to connect new DIs to the existing drainage facilities.

Environmental:

The project qualifies for Categorical Exemption under California Environmental Quality Act (CEQA) and Categorical Exclusion under National Environmental Policy Act (NEPA). See Attachment B for Mini-Preliminary Environmental Analysis Report.

Programming

- Programming
The project will be programmed for FY 2013/2014. Construction is expected during the summer of 2015. The Programming sheet, Attachment I, containing milestones and capital, R/W and support costs, is attached.
- Funding
The project is planned to be funded in the 2010 SHOPP under the 201.378 program at an estimated current capital cost of \$7.21 million.

Reviews:

The project was reviewed, amongst others, by Laurie Lammert, Traffic Engineering Senior, Heidi Sykes, HQ Design Reviewer, and Joe Horton, HQ-ADA Program Senior, Don Rushton, District 3 Constructibility Review Coordinator.

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PROJECT PERSONNEL:

Ali Kiani	Project Manager	(530) 741-4587
Tammy Massengale	Senior Environmental Planner	(530) 741-4041
Jennifer Lowden	Senior R/W Agent	(530) 741-5139
Poppea Darling	R/W Coordinator	(530) 741-4016
M. Saeed Chaudhary	Project Engineer	(530) 741-5407
Nelson Lee	Electrical Chief	(530) 634-7622
Jaskaran Boparai	Electrical Engineer	(530) 741-5100
Heath Hatheway	Storm Water Coordinator	(530) 741-5406
Tim Ellison	Senior Landscape Architect	(530) 741-4126
John Hudson	Hydraulics	(530) 741-4437
Fernando Rivera	Area Construction Engineer	(530) 822-5355
Dave Gamboa	Construction Electrical Senior	(916) 263-4911
Ann Murphy	Constructibility Reviewer	(530) 741-4381
Don Rushton	Constructibility Review Co-ord.	(530) 741-4516

ATTACHMENTS:

- A. Location Map
- B. Mini-Preliminary Environmental Analysis Report
- C. Initial Site Assessment (ISA)
- D. Right of Way Data Sheet
- E. Traffic Management Plan Data Sheet
- F. Landscape Architecture Assessment Sheet (LAAS)
- G. Storm Water Data Report
- H. Cost Estimate
- I. Programming Sheet

ATTACHMENT A

Location Map

END CONSTRUCTION (ROUTE 90)
PM 731.31

$$\frac{S_{ut}-20-PM}{Y_{ub}-20-PM} = \frac{17.06}{0.6}$$


LOCATION MAP

ATTACHMENT B

Mini-Preliminary Environmental Analysis Report (PEAR)

Mini-Preliminary Environmental Analysis Report

Project Information

District 03 County SUT Route 20/99 Post Mile 12.127/17.057, 29.67/31.311 EA 03-2F090

Project Title: SUT 20/99 ADA Compliance

Project Manager Ali Kiani Phone # 530-741-4587

Project Engineer M. Saeed Chaudhary Phone # 530-741-5407

Environmental Branch Chief Tammy Massengale Phone # 530-741-4041

Project Description

Purpose and Need: This project proposes to install or upgrade pedestrian infrastructure that is not in compliance with Title 11 of the Americans with Disabilities Act (ADA).

Description of work: The work includes reconstructing or installing sidewalks, curb ramps, pedestrian accessible traffic signals and flattening driveway approaches.

Anticipated Environmental Approval

CEQA

☒ Categorical Exemption

NEPA

☒ Categorical Exclusion

Summary Statement

In order to identify environmental issues, constraints, costs and resource needs, a mini-PEAR (Preliminary Environmental Analysis Report) was prepared for the project. Potential construction staging areas and disposal/borrow sites will need to be identified in the PA&ED phase for environmental review. Due to weather conditions and time constraints no field reviews were completed. All technical reviews were completed using data searches.

It is anticipated a Categorical Exemption and a Categorical Exclusion will apply to this project. Based on existing workload and available resources, it is anticipated to take 8 months to complete the environmental process. If possible, Environmental Planning would like to receive the ESR no later than February of a given year in order to complete spring surveys.

Special Considerations

Biology: Rural homes, rice fields, hay fields, wet ditches, orchards, fallow fields, vineyards, urban neighborhoods and commercial developments are common within the project limits. Wildlife that is likely to occur in the project area includes American crow, red-winged black birds, starlings, American kestrel, turkey vulture, western meadowlark, blacktail jackrabbit, Brewer's blackbirds, raccoon, barn owl and striped skunk.

Due to the urban and commercial nature of the majority of the project area, it is unlikely that the majority of the project area may support habitat for species protected by State and Federal agencies. However, some of the project is rural and may provide habitat for migratory birds, giant garter snake (GGS), Swanson's hawk and valley elderberry longhorn beetle. These species are known to

occur in Sutter County and may be affected by vegetation removal, ground disturbance and utility relocation work.

Common vegetation likely to occur in the project area include valley oak, almond trees, wild radish, tall verain, Fremont cottonwood, cedar trees, sedge, Himalayan blackberry, oats, oleander, willow, bull rush, olive trees, pyracanthas, pennyroyal, pine, wild mustard and teasel.

Specific field surveys will be required to determine the presence and extent of water features that fall under the jurisdiction of the U.S. Army Corps of Engineers (USACE), Regional Water Quality Control Board (RWQCB) and the California Department of Fish and Game (CDFG). Specific field surveys should also be conducted to determine the presence of migratory birds, Swainson's hawk, and other listed species.

Consultation with U.S. Fish and Wildlife Service (USFWS) and the CDFG will be required to fully determine if this project will impact migratory birds or any other protected plant or wildlife species and what mitigation may be necessary. Consultation with the USACE will also be required to determine the extent of impacts to jurisdictional waters and waters of the U.S. and the type of necessary mitigation.

Under the current scope of the project, permits and approvals from regulatory agencies are not anticipated.

Archaeology: Cultural resource reports for previous projects constructed along SR 20 and 99 in the project vicinity and the internal Caltrans TEA Database were consulted for this project. It is possible that the proposed project can be screened under the Programmatic Agreement. If not, a Phase I Identification study will be needed.

Hazardous Waste: An ISA was completed for this project. The potential for hazardous waste exists within the ESL. The following contaminants have been identified: Aerially Deposited Lead (ADL) and lead/chromium contained in the yellow traffic striping. A Site Investigation (SI) to determine the amount of ADL within the project limits will be required.

Water Quality: During project delivery, the project area should be evaluated for potential water quality impacts. We are required to adhere to the conditions of the Caltrans Statewide NPDES Permit CAS No. 000003. It is important that appropriate Construction Site BMPs are deployed during construction activities to avoid/minimize impacts. If site dewatering is required, a dewatering plan is required.

Air: This project is anticipated to be exempt from all air quality conformance analysis requirements. A technical memo will be prepared during PA&ED.

Noise: This project is not anticipated to require a project level noise analysis. A technical memo will be prepared during PA&ED.

Visual Resources: Due to the time constraints, input from Landscaping staff for this analysis was not completed.

Disclaimer

This report is not an environmental document. The above recommendations are based on the project description provided in this report. The discussion and conclusions provided by this mini-PEAR are approximate and are based on field reviews and record reviews to estimate the potential for probable effects. The purpose of this report is to provide a preliminary level of environmental analysis to supplement the Project Initiation Document. Changes in project scope, alternatives, or environmental laws will require a re-evaluation of this report.

Prepared by:

Tammy Massengale
Tammy Massengale, Chief, Office of Environmental Support

Date: 3/15/11

Reviewed by:

Ali Kiani
Ali Kiani, Project Manager

3/15/11
Date: _____

ATTACHMENT C

Initial Site Assessment for Hazardous Waste

State of California
Memorandum

Business, Transportation and Housing Agency

Date: February 17, 2011

File: 03-2F090K
E-FIS 03 0002 0464 - K
Sutter 20, PM 12.17/17.06
Sutter 99, PM 29.67 /31.1

To: TAMMY MASSENGALE
Chief Office of Environmental Support

From: MARIA ALICIA BEYER SALINAS
Office of Environmental Engineering South - Hazardous Waste

Subject: Hazardous Waste Initial Site Assessment (ISA) for Preliminary Environmental Assessment Report (PEAR).

This State funded project is located in and near Yuba City, on SR 20 from just west of Sycamore Canal/South Butte Road to the Yuba County Line, and on SR 99 from just south of Franklin Rd to north of Queens Ave.

The SHOPP project proposes to reconstruct or install sidewalks, curb ramps, pedestrian accessible traffic signals, flatten driveway approaches, etc. for American with Disabilities Act (ADA) compliance. All work will take place within State right of way. Disposal of excavated material is anticipated.

ISA conclusions:

I. Petroleum Hydrocarbons

The hazardous waste investigation was limited to a records review. Based on the nature of the project work scope, the potential for petroleum hydrocarbons contamination is not expected within the project study limits.

II. Aerial Deposited Lead (ADL)

Lead-contaminated soil may exist due to the historical use of leaded gasoline, leaded airline fuels, waste incineration, etc. The areas of primary concern in relation to highway facilities are soils along routes that have had high vehicle emissions due to large traffic volumes, congestion, or stop and go situations during the time period when leaded gasoline was in use. For practical purposes, most Aerially Deposited Lead (ADL), due to vehicle emissions, would have been deposited prior to 1986.

The Contractor shall prepare a project specific Lead Compliance Plan to prevent or minimize worker exposure to lead while working on and/or handling soils materials containing lead. Attention is directed to Title 8, California Code of Regulations, Section 1532.1, "Lead," for specific Cal-OSHA requirements when working with lead.

a.) Along SR 99 from PM 29.67 to PM 31.1

During November 2004, in the vicinity area, between post mile (PM) T30.6 to PM R32.2 an ADL site investigation (SI) was performed under task Order No. 11 for project EA 1A1600.

Total lead found along shoulders and in the median ranging in concentrations from less than 5 to 160 mg/kg with an average concentration of 15 mg/kg, with a predicted average soluble concentration of 0.9 mg/l as analyzed by the California Waste Extraction Test and based upon a 95% Upper Confidence Limit.

The SI concluded that the top 3.0 ft of excavated soil could be reused or disposed as non-hazardous soil with respect to lead content.

- Use Standard Special Provision (SSP) 15-027.

b.) Along SR 20 from PM 12.17 to PM 17.6

The project will generate excess material in an area where Total lead concentration is unknown, and no excess material is allowed to leave the project limits without being tested for ADL. Without being sampled, tested, and characterized, the top few inches of soil potentially contain lead concentrations above hazardous levels.

As soon as the project gets funded and the EA phase "0" gets opened, then it is the Project Engineer responsibility to request to this unit to proceed and execute a task Order (TO). The TO needs to be executed at least 4 months prior to PS&E. The estimate TO cost is \$9,000.

III. Traffic Stripe -Lead/Chromium Based Paint

The Contractor is required to properly manage removed stripe and pavement marking and shall implement a project specific lead compliance plan prepared by a Certified Industrial Hygienist (CIH) as required by Cal/OSHA.

The actual text containing the requirements for the lead compliance plan is found in the Amendments to the 2006 Standard Specifications in Section 7-1.07. Use BEES Item Code 190110. (Note that just one lead compliance plan that addresses all lead exposures on the project should be prepared, so the quantity should only be one.)

- Use Standard Special Provision (SSP) 14-001 if the project includes a work Item for removal of paint or thermoplastic (yellow or white - mix paint) from the road surface.
- Use SSP 15-305 if yellow paint or yellow thermoplastic paint will be removed while grinding the entire pavement surface and the project will not require the paint or thermoplastic paint to be removed before grinding begins.

IV. Estimate cost and bid items that need to be included in the BEES:

- \$3,500 for the Health and Safety Plan covering Lead Compliance and Lead Awareness training for ADL and traffic stripe removal.

If you have questions, please call at me at (530) 741-4580.

cc: Ali Kiani – Project Manager
Mahammad Rayyan - Office of Traffic Design

ATTACHMENT D

Right of Way Data Sheet

Memorandum

*Flex your power!
Be energy efficient!*

To: Eric Y. Wong
Chief Traffic Design Branch
Department of Transportation, District 3

Date: March 7, 2011
E.A. 2F090
PN: 0300020464
File: 03-SUT-20 12.127/17.057, SUT-
99 29.67/31.311

Attention M. Saeed Chaundhary
Project Engineer

From: JOHN BALLANTYNE 
Assistant Division Chief, North Region Right of Way

Subject: Current Estimated Right of Way Costs

We have completed an estimate of the right of way costs for the above referenced project based on information received from you on November 10, 2010 .

Right of Way requests a minimum of 22 months lead time prior to the scheduled certification, in order to clear and process the certification timely.

Attachments:

Right of Way Data Sheet

cc. Ali Kiani

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY DATA SHEET



Date: March 7, 2011
 E.A. 2F090
 PN: 0300020464
 File: 03-SUT-20 12.127/17.057,
 SUT-99 29.67/31.311

1. Right of Way Cost Estimate:

	Current Value Future Use	Escalation Rate	Escalated Value
A. Total Acquisition Cost	\$278,125	5%	\$294,225
B. Mitigation acquisition & credits	\$0		\$0
C. Project Development Permit Fees	\$4,000	5%	\$4,232
Subtotal	\$282,125		\$298,457
D. Utility Relocation (State Share) (Owner's share: \$199,000)	\$0		\$0
E. Relocation Assistance (RAP)	\$0		\$0
F. Clearance/Demolition	\$0		\$0
G. Title & Escrow	\$0		\$0
H. Total Estimated Right of Way Cost	\$282,125		\$298,000
I. Construction Contract Work	\$0		

2. Current Date of Right of Way Certification

May 1, 2012

3. Parcel Data:

Type	Dual/Appr	Utilities	RR Involvements
X 0		U4 - 1 2	None X
A 89		- 2 0	C&M Agrmt
B 0		- 3 0	Svc Contract
C 0	0	- 4 0	Easements
D 0	0	U5 - 7 0	Rights of Entry
Total 89		- 8 0	Clauses
		- 9 2	
Areas:			Misc. R/W Work
TCE: 42000 SF			RAP Displ N/A
Excess: N/A	No. Excess Pcls: 0		Clear/Demo N/A
Mitigation: N/A			Const Permits N/A
			Condemnation 18
			USA Involvement No

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY DATA SHEET

4. Are there any major items of construction contract work?
Yes _____ No X
No construction contract work is required
5. Provide a general description of the right of way and excess lands required (zoning, use, major improvements, critical or sensitive parcels, etc.)
Temporary construction easements are required for this project.
6. Are any properties acquired for this project expected to be rented, leased, or sold?
Yes _____ No X
7. Is there an effect on assessed valuation? Yes _____ Not Significant _____
No X
8. Are utility facilities or rights of way affected? Yes X No _____
According to the P.E., there are 8 utility poles, 2 pull boxes, numerous State utilities, 3 water (fire) hydrants, 3 manholes and several utility boxes that need to be relocated.
9. Are railroad facilities or rights of way affected? Yes _____ No X
None
10. Were any previously unidentified sites with hazardous waste and/or material found?
Yes _____ None Evident X
11. Are RAP displacements required? Yes _____ No X
No. of single family _____ No. of business/nonprofit _____
No. of multi-family _____ No. of farms _____
Based on Draft/Final Relocation Impact Statement/Study dated N/A
it is anticipated that sufficient replacement housing (will/will not) be available without Last Resort Housing.
12. Are there material borrow and/or disposal sites required?
Yes _____ No X
13. Are there potential relinquishments and/or abandonments?
Yes _____ No X
14. Are there any existing and/or potential airspace sites?
Yes _____ No X
15. Indicate the anticipated Right of Way schedule and lead time requirements.

Right of Way requests a minimum of 22 months lead time prior to the scheduled certification, in order to clear and process the certification in a timely manner.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY DATA SHEET

16. Is it anticipated that Caltrans will perform all Right of Way work?
Yes X No

17. Assumptions and Limiting Conditions:

17.1 Maps delivered with the datasheet request are insufficient for determining final right of way needs.

17.2 Design is responsible for acquiring all construction easements on local road.

17.3 All Permit to Enter and Construct to conform Road Approaches are within the temporary construction easements.

Evaluation Prepared By:

Right of Way:

Kelly J Kilpatrick
Kelly J Kilpatrick

Date 3/17/2011

Reviewed By:

RW Planning & Management:

Rich Covey
Rich Covey

Date 3/18/11

I have personally reviewed this Right of Way Data Sheet and all supporting information. I certify that the probable Highest and Best Use, estimated values, escalation rates, and assumptions are reasonable and proper, subject to the limiting conditions set forth, and I find this Data Sheet to be complete and current.

RECOMMENDED FOR APPROVAL

Jennifer Lowden

JENNIFER LOWDEN,
Senior Right of Way Agent
Project Coordination
Marysville

Date

3/17/11

APPROVED:

John Ballantyne
JOHN BALLANTYNE,
Assistant Division Chief,
North Region Right of Way

Date

3-17-11

ATTACHMENT E

Traffic Management Plan Data Sheet

Memorandum

*Flex your power!
Be energy efficient!*

To: Muhammad Saeed Chaudhary, P.E.
Traffic Design Branch
North Region – District 3

Date: February 02, 2011

File: 03-2F090K
Sut-20 PM 12.07/17.06
Sut-99 PM 29.67/31.31

From: NHAN VU
TMP Coordinator
Transportation Management Planning

Subject: Transportation Management Plan (TMP) Data Sheet

Background

- This project proposes to reconstruct or install sidewalks, curb ramps, pedestrian accessible traffic signals, flatten driveway approaches.
- Multi-lanes within project limits on both routes 20 and 99
- Traffic signals, residents and businesses within project limits on both routes 20 and 99
- Heavy traffic volumes on both routes 20 and 99

Recommendations

- Due to heavy traffic volumes on Sut 20 (PM 12.17/17.06) and Sut 99 (PM 29.67/31.31), work hours will be performed night time only.
- Closing an adjacent lane will be required when working on the shoulders.
- Shoulder closures will be allowed, provided that work is far enough from the open traffic lanes.
- Flaggers will be required.
- When closures occur within 200 feet of an intersection, flaggers shall be deployed to control all legs of the intersection.
- Access to driveways and cross streets must be maintained during construction, in accordance with traffic control standard plans or traffic handling plans.
- Pedestrian and bicycle access must be maintained during construction. Additional signs will be required to detour pedestrians and bicycle traffic.
- Portable changeable message signs (PCMS) will be required in direction of traffic during construction for each lane or shoulder closure.
- Coordinating with projects adjacent to or within the limits of this project will be required to avoid conflicts.
- Lane closure charts will have to be developed prior to P&E.

Cost

For estimating purposes, use \$2,500 per traffic control day to estimate the costs that are required for the Traffic Management Plan (TMP) items. These items include Traffic Control System, Portable changeable Message Signs, Maintain Traffic, and TMP Public Information

COZEEP is estimated at \$1,000 per working day and \$2,000 per working night whenever CHP involvement is needed during construction. COZEEP estimate should include 2 officers per vehicle when performing night work.

If there is a change in the scope of the project or the order of work (schedule), please advise the TMP unit, as this may affect the TMP estimate.

P & E Requirement

To complete a TMP for this project, please provide the following to the Office of Traffic Management Planning at least three months prior to P&E: project description, title sheet, typical cross sections, layout sheets, construction cost estimates, number of working days, number of traffic control days, project schedule, and a contact person.

Needed Resources

TMP office will need the following resources to complete our work:

Activity 160	100 hours
Activity 230	400 hours
Activity 255	80 hours
Activity 265	30 hours
Activity 270	80 hours
Activity 285	20 hours

Attachments

TMP Checklist

D-3 TRANSPORTATION MANAGEMENT PLAN CHECKLIST

District / EA: 03-2F090K

Date Prepared: February 2, 2011

Prepared By: NHAN VU

Stage of Project (X box) ☒ PID ☐ PSR ☐ PR ☐ PS&E

Co.Rte.-PM.

Sut-20-PM 12.07/17.06 & Sut-99-PM 29.67/31.31

Location

Sutter 20 and 99 county

Description:

Reconstruct or install sidewalks, curb ramps, pedestrian accessible traffic signals, flatten driveway approaches

1.0 Public Information Strategies

- 1.1 Brochures and Mailers
- 1.2 Media Releases (& minority media sources)
- 1.3 Paid Advertising
- 1.4 Public Information Center
- 1.5 Public Meetings/Speakers Bureau
- 1.6 Project Telephone Hotline
- 1.7 Internet, E-Mail
- 1.8 Local cable TV and News
- 1.9 Notification to Impacted groups
(i.e. bicycle users, pedestrians with disabilities, others)
- 1.10 Project Web Page
- 1.11 Caltrans Public Information Office
- 1.12 Consultant Public Information Office
- 1.13 Other items

REQUIRED	RECOMMENDED	NOT APPLICABLE	BEES Item No.	COMMENTS	UNIT COST	REQUIRED IN SPEC.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Within Sutter county limits		
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<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				

2.0 Traveler Information Strategies

- 2.1 Changeable Message Signs (permanent)
- 2.2 Changeable Message Signs (portable)
- 2.3 Special Construction Signs
- 2.4 Traveler Information Systems (CHIN/Internet)
- 2.5 Highway Advisory Radio "HAR" (fixed or mobile)
- 2.6 Radar Speed Sign
- 2.7 Traffic Management Team
- 2.8 Revised Transit Schedules/ Maps
- 2.9 Bicycle community information
- 2.10 Other item

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	128650			<input checked="" type="checkbox"/>
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<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	861985			
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	860520			
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	066064			
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<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				

3.0 Incident Management

- 3.1 COZEPP
- 3.2 Freeway Service Patrol (tow truck service patrol)
- 3.3 Traffic Surveillance Stations (loops or CCTV)
- 3.4 Transportation Management Center
- 3.5 Traffic Control Inspector (Caltrans)
- 3.6 Traffic Management Team
- 3.7 On-site Traffic Advisor (contractor)
- 3.8 Other Items

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	066062			
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	066065			
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	066876			
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				

4.0 Construction Strategies

- 4.1 Delay damage clause
- 4.2 Night work
- 4.3 Weekend Work
- 4.4 Extended Weekend Closures
- 4.5 Planned Lane Closures
- 4.6 Planned Ramp/Connector Closures
- 4.7 Total Facility Closure
- 4.8 Project Phasing
- 4.9 Truck Traffic Restrictions
- 4.10 Reduced Lane Widths

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Per Lane Closure Charts		<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Per Lane Closure Charts		<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				

4.0 Construction Strategies (Continued)

- 4.11 Temporary K-Rail
- 4.12 Temporary Traffic Screens
- 4.13 Reduced Speed Zones
- 4.14 Traffic Control Improvements
- 4.15 Contingency Plans
 - 4.15.1 Material Plant on standby
 - 4.15.2 Extra Critical Equipment on site
 - 4.15.3 Material Testing Plan
 - 4.15.4 Alternate Material on site
(In case of failure or major delays)
 - 4.15.5 Emergency Detour Plan
 - 4.15.6 Emergency Notification Plan
 - 4.15.7 Weather Conditions Plan
 - 4.15.8 Delay Timing and Documentation Plan
 - 4.15.9 Late Closure Reopening Notification
- 4.16 Signal timing modification
- 4.17 Coordination with adjacent construction
- 4.18 Double Fine Zone (signs)
- 4.19 Right of Way Delay
- 4.20 Other Items

REQUIRED	RECOMMENDED	NOT APPLICABLE	BEES Item No.	COMMENTS	UNIT COST	REQUIRED IN SPEC.
		X	129000			
		X	129150			
		X				
		X				
X						X
		X				
		X				
		X				
		X				
	X					
	X					
		X				
		X				
	X					
		X				
X						X
	X					
		X	066022			
		X				

5.0 Demand Management

- 5.1 HOV Lanes/Ramps
- 5.2 Ramp metering
- 5.3 Park-and-Ride Lots
- 5.4 Parking Management/Pricing
- 5.5 Rideshare Incentives
- 5.6 Rideshare Marketing
- 5.7 Transit, Train, or Light-Rail Incentives
- 5.8 Transit Service Modification
- 5.9 Variable Work Hours
- 5.10 Telecommute
- 5.11 Other Items

		X				
		X				
		X				
		X				
		X				
		X	066059			
		X	066066			
		X				
		X				
		X				
		X				

6.0 Alternate Route Strategies

- 6.1 Ramp Closures
- 6.2 Street Improvements
- 6.3 Reversible Lanes
- 6.4 Temporary Lanes or Shoulders Use
- 6.5 Freeway to freeway connector closures
- 6.6 Encroachment Permit from City/County

		X				
		X				
		X				
		X				
		X				
		X				

7.0 Other Strategies

- 7.1 Application of new technology
- 7.2 Other Items

		X				
		X				

Comments:

ATTACHMENT F

Landscape Architectural Assessment Sheet



**NORTH REGION
LANDSCAPE ARCHITECTURE ASSESSMENT SHEET**
03-LAND-0002 (Rev. 3/03)

TO: Mark Ijadi FROM: Jane Donohoe Unit/Senior TE Name: Eric Wong Project Manager: Martin Villaneuva	CO: Sut DISTRICT: 03 DATE: 02/15/11 EA: 2F090k	RTE: 20, RTE: 99	PM: 12.12/17.05 PM: 29.67/31.31
PROJECT SEPARATION: <input checked="" type="checkbox"/> Landscape as part of roadway work EA <input type="checkbox"/> Landscape under separate EA (Follow-up)		PROJECT: ADA compliance TYPE: SHOPP PROJECT MILESTONE: PID	

PROJECT DESCRIPTION: The project proposes to reconstruct or install sidewalks, curb ramps, pedestrian accessible traffic signals, flatten driveway approaches, etc. for ADA compliance. It is anticipated that environmental document will be a CE for this type of work. The proposed project scope will be within State Right of Way.
A PSR for this project is being prepared and is scheduled for completion by March 1, 2011.

AREA FOR HIGHWAY PLANTING:	1500 yd ²		
AREA FOR EROSION CONTROL:	4.57 ac		
PLANT COUNT FOR MITIGATION PLANTING:	0		
REPLACEMENT PLANT COUNT:	10 trees and 50 shrubs		
LANDSCAPE FREEWAY STATUS:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
HIGHWAY PLANTING IS:	<input checked="" type="checkbox"/> Warranted	<input type="checkbox"/> Not Warranted	
SCENIC HIGHWAY STATUS:	<input type="checkbox"/> Officially Designated	<input type="checkbox"/> Eligible	<input checked="" type="checkbox"/> Not Designated
REVEGETATION REQUIRED?	<input type="checkbox"/> Permit Required	<input type="checkbox"/> Offset of Visual Impact	<input type="checkbox"/> Other (Forest Service, BLM, etc.)
BIOLOGIST CONTACT:	Tammy Massengale		
DATE OF CONTACT:	02/15/11		
REVEG. SPECIALIST CONTACT:	N/A		

ADJACENCY TO BILLBOARDS:
<input type="checkbox"/> Project area is adjacent to outdoor advertising. <input checked="" type="checkbox"/> Project area is not adjacent to outdoor advertising.

WATER AND POWER AVAILABILITY: Yes

IS THERE (E) IRRIGATION THAT WILL BE IMPACTED BY THIS PROJECT: ☒ Yes ☐ No

DESIGN FOR MAINTENANCE SAFETY: N/A

CONTEXT SENSITIVITY:
<input type="checkbox"/> It is determined that the project will involve consideration of highway aesthetics and will require further evaluations pertaining to specific roadside enhancements.
<input checked="" type="checkbox"/> No foreseen issues with highway aesthetics <input type="checkbox"/> Other

COOPERATIVE MAINTENANCE AGREEMENTS:

Project may involve additional tasks indicated	<input checked="" type="checkbox"/> Visual Simulation	<input checked="" type="checkbox"/> Erosion Control	<input checked="" type="checkbox"/> SWPPP/NPDES
	<input checked="" type="checkbox"/> Highway Planting	<input checked="" type="checkbox"/> Field Visit	<input type="checkbox"/> Context Sensitive Solutions/Aesthetics
	<input type="checkbox"/> Contour Grading	<input checked="" type="checkbox"/> Cost Estimate	<input type="checkbox"/> Landscape Evaluation



**NORTH REGION
LANDSCAPE ARCHITECTURE ASSESSMENT SHEET**
03-LAND-0002 (Rev. 3/03)

COST INFORMATION:

<input type="checkbox"/> Replacement planting (10 trees, 40 shrubs @\$800 & @\$200/)	\$ 16,000
<input type="checkbox"/> 1-year Plant Establishment (10% of planting cost/ yr)	\$ 1,600
<input type="checkbox"/> Replace grass strip (estimated area 7,373yd ² , \$34/yd ²)	\$250,680
<input type="checkbox"/> Replace/ Modify existing irrigation system (estimated 7,373sqyd x \$23/yd ²)=	\$169,580
<input type="checkbox"/> Soil amendment (1CY soil amendment 22yd ² turf) 7,373/22=335, \$53/cyX335=	\$ 17,770
<input type="checkbox"/> Erosion Control type wood mulch(estimated area 4.57 ac; \$20,000/ ac)	\$ 91,400
	TOTAL \$ 547,030

OTHER RELATED INFORMATION:

☒ Landscape Architecture Resource Estimate:

1. 1-large tree at corner of 20/ Plumas maybe considered for preserving and protecting. This tree is old and large in size and can easily be identified as a visual and environmental resource for the community.
2. Irrigation and landscaped areas are estimated to be a 1/3 of total area (7,372.9 yd²)
3. There is highway planting and irrigation on 99 between Sunswet and 20 (west side) that maybe impacted due to this project.
4. Also at various locations, there are planting and irrigation near sidewalks that maybe impacted due to this project.
5. The type of erosion control appropriate to the site will be determined as information becomes available at later stage of the project.

ROADSIDE VEGETATION MANAGEMENT TREATMENT NEEDS:

- ☐ Extended Gore Areas
- ☐ Guardrails and Signs
- ☐ Medians
- ☐ Road Edge
- ☐ Side Slopes/Embankment Slopes

(See: <http://www.dot.ca.gov/hq/LandArch/roadside/index.htm> for potential treatment measures)

PREPARED BY: Jane Donohoe DATE: 02/15/11 CONCURRED BY: _____ DATE: _____
(Project Manager)

APPROVED BY: [Signature] DATE: 2/13/11
(Landscape Architecture or Engineering Services Branch Chief)

Resources by WBS Code (Landscape Architecture)

03- Sut 20 & Sut 99, ADA compliance, in Yuba City . Project at K-phase, ca 2F090

WBS Activity	Hrs needed	Begin Date	End Date
100 PROJECT MANAGEMENT			
100.05 Project Management - PID component			
100.10 Project Management - PA & ED Component			
100.15 Project Management - PS&E Component			
150 PROJECT INITIATION DOCUMENT (PID)			
150.20.15 Perform Landscape/Aesthetic Analysis	40		
150.25.20 Circulate, Review, & Approve PID	10		
160 PERFORM PRELIMINARY ENGINEERING STUDIES & PREPARE PROJECT REPORT			
160.05 Review and Update Project Information	10		
160.10.30 Develop Highway Planting Design Concepts (includes mitigation, replacement and new planting, LAAS)	60		
160.16.05 Prepare Cost Estimate for Alternatives	40		
160.16.25 Circulate, Review, & Approve Draft Project Report			
165 PERFORM ENVIRONMENTAL STUDIES & PREPARE DRAFT ENVIRONMENTAL DOCUMENT (DED)			
165.05.05 Review Project Information	5		
165.15.05 Perform Biological Assessment			
165.10.20 Perform Visual Impact Analysis	15		
175.10.15 Prepare Displays for Public Viewing			
175.10.35 Hold Public Hearing			
185 PREPARE BASE MAPS AND PLAN SHEETS			
185.05.10 Update Project Information (update of Landscape scope and costs for PE when requested)	20		
185.15 Perform Preliminary Design	40		
205 OBTAIN PERMITS, AGREEMENTS & ROUTE ADOPTIONS			
205.10 Obtain Permits (includes preparation of attachments by Landscape to assist Enviro in obtaining permits)			
230 PREPARE DRAFT PS&E			
230.05.35 Prepare Contour Grading Plans			
230.05.45 Prepare Noise Barrier Plans			
230.05.50 Prepare Retaining Wall Plans			
230.10 Prepare Draft Highway Planting Plans	80		
230.35.10 Develop Highway Planting Specs	40		
230.35.40 Develop Erosion Control Specs	40		
230.40.10 Calculate Highway Planting Quantities and Estimate	30		
230.40.40 Calculate Erosion Control Quantities and Estimate	20		
230.60 Review and Update Project Information for PS&E Package (Constructability Review and Storm Water Data Report Review)	15		
235 MITIGATE ENVIRONMENTAL IMPACTS & CLEAN-UP HAZARDOUS WASTE			
235.05.15 Perform Biological Mitigation (problem with this is that we can only charge to this during phase 1 of EA)			
235.35 Perform Long Term Mitigation Monitoring			
255 CIRCULATE, REVIEW & PREPARE FINAL DISTRICT PS&E PACKAGE			
255.10.10 Update Highway Planting PS&E	60		
270 PERFORM CONSTRUCTION ENGINEERING & GENERAL CONTRACT ADMINISTRATION			
270.20.50 Provide Technical Support	40		
270.25 Perform Construction Contract Administration Work (initiate Revise, Emergency, Agreements)			
270.35.10 Perform Plant Inspection for Quality Assurance			
270.60 Administer Plant Establishment			
285 PREPARE AND ADMINISTER CONTRACT CHANGE ORDERS			
285.10 Provide Functional Support			
295 ACCEPT CONTRACT, PREPARE FINAL CONSTRUCTION ESTIMATE, AND PREPARE FINAL REPORT			
295.35.05 Revegetation Field Work			
295.35.10 Revegetation Monitoring			
295.35.15 Revegetation Close-Out (Final Report)			
Total Hours	565		

ATTACHMENT G

Storm Water Data Report

APPENDIX E

Short Form - Storm Water Data Report

Dist-County-Route: 03-Sut-20.99
Post Mile Limits: 12.172/17.057
Project Type: SHOPP
Project ID (or EA): 03-2F090K
Program Identification: _____
Phase: ☒ PID
☐ PA/ED
☐ PS&E

Regional Water Quality Control Board: Region 5 - Central Valley RWQCB

- | | | |
|---|------------------------------|--|
| 1. Is the project required to consider incorporating Treatment BMPs? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| 2. Does the project disturb 5 or more acres of soil? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| 3. Does the project disturb more than 1 acre of soil and not qualify for the Rainfall Erosivity Waiver? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| 4. Does the project potentially create permanent water quality impacts? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| 5. Does the project require a notification of ADL reuse | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |

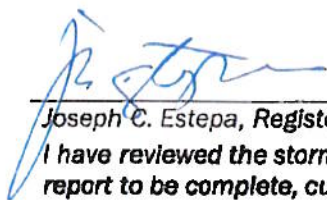
If the answer to any of the preceding questions is "Yes", prepare a Long Form - Storm Water Data Report.

Estimate Construction Start Date: _____ Construction Completion Date: _____

Separate Dewatering Permit (if yes, permit number) Yes ☐ Permit # _____ No ☒

Erosivity Waiver Yes ☐ Date: _____ No ☒

This Short Form - Storm Water Data Report has been prepared under the direction of the following Licensed Person. The Licensed Person attests to the technical information contained herein and the data upon which recommendations, conclusions, and decisions are based. Professional Engineer or Landscape Architect stamp required at PS&E.

 3/14/11
Joseph C. Estepa, Registered Project Engineer
I have reviewed the stormwater quality design issues and find this report to be complete, current and accurate:

(Stamp Required for PS&E only)

 3/14/11
Heath Hatheway, District/Regional SW Coordinator or Designee Date

1. Project Description

The project proposes to reconstruct or install sidewalks, curb ramps, pedestrian accessible traffic signals, flatten driveway approaches, etc. for ADA compliance. The Disturbed Soil Area (DSA) for this project is approximately 0.55 acre (reconstruct sidewalk= 1.22 acre, new sidewalk=0.55 acre). A PSR for this project is being prepared and is scheduled for completion by March 31, 2011.

The majority of the project will not disturb any existing vegetation and create new slopes. It will not change existing drainage patterns, and runoff channels or drains. Most of the locations where new sidewalks and curb ramps are installed are already paved, which minimizes the impact on existing drainage patterns and vegetations. Therefore, this project does not have the potential to create water quality impacts.

2. Construction Site BMPs

Temporary construction site BMPs will be deployed under a contractor prepared WPCP. Temporary concrete washouts, stabilized construction entrance/exits, and fiber roll have been identified as potential contract bid line items. Additional items may be identified during the project design phase. All remaining water pollution control items will be included in the BEES Construction Site Management lump sum bid item. Construction site BMP cost has been estimated at \$ 80,000 using Option 1, Percentage of Total Construction Cost as shown in Appendix F of the PPDG and 2% of total construction cost was used. Attachment of the completed Construction Site BMP Consideration form documents Construction Division Concurrence in accordance with current North Region directives.

3. Required Attachments¹

- Vicinity Map
- Evaluation Documentation Form
- Construction site BMP Consideration Form

¹ Additional attachments may be required as applicable or directed by the District/Regional Design Storm Water Coordinator (e.g. BMP line item estimate, DPP, CS checklists, etc).

Evaluation Documentation Form

DATE: March 7, 2011

Project ID (or EA): 03-2f09OK

NO.	CRITERIA	YES ✓	NO ✓	SUPPLEMENTAL INFORMATION FOR EVALUATION
1.	Begin Project Evaluation regarding requirement for consideration of Treatment BMPs	✓		See Figure 4-1, Project Evaluation Process for Consideration of Permanent Treatment BMPs. Go to 2
2.	Is this an emergency project?		✓	If Yes, go to 10. If No, continue to 3.
3.	Have TMDLs or other Pollution Control Requirements been established for surface waters within the project limits? Information provided in the water quality assessment or equivalent document.		✓	If Yes, contact the District/Regional NPDES Coordinator to discuss the Department's obligations under the TMDL (if Applicable) or Pollution Control Requirements, go to 9 or 4. ____ (Dist./Reg. SW Coordinator initials) If No, continue to 4.
4.	Is the project located within an area of a local MS4 Permittee?	✓		If Yes, (Yuba City), go to 5. If No, document in SWDR go to 5.
5.	Is the project directly or indirectly discharging to surface waters?	✓		If Yes, continue to 6. If No, go to 10.
6.	Is it a new facility or major reconstruction?	✓		If Yes, continue to 8. If No, go to 7.
7.	Will there be a change in line/grade or hydraulic capacity?			If Yes, continue to 8. If No, go to 10.
8.	Does the project result in a <u>net increase of one acre or more of new impervious surface</u> ?		✓	If Yes, continue to 9. If No, go to 10. ____ 7 (Net Increase New Impervious Surface)
9.	Project is required to consider approved Treatment BMPs.			See Sections 2.4 and either Section 5.5 or 6.5 for BMP Evaluation and Selection Process. Complete Checklist T-1 in this Appendix E.
10.	Project is not required to consider Treatment BMPs. <i>PP</i> (Dist./Reg. Design SW Coord. Initials) <i>PC</i> (Project Engineer Initials) <u>3/14/11</u> (Date)	✓		Document for Project Files by completing this form, and attaching it to the SWDR.

1 See Figure 4-1, Project Evaluation Process for Consideration of Permanent Treatment BMPs

Construction Site BMP Consideration Form

DATE: March 8, 2011

Project EA: 03-2f090k

Project Evaluation Process for the Consideration of Construction Site BMPs

NO.	CRITERIA	YES ✓	NO ✓	SUPPLEMENTAL INFORMATION
1.	Will construction of the project result in areas of disturbed soil as defined by the Project Planning and Design Guide (PPDG)?	✓		If Yes, Construction Site BMPs for Soil Stabilization (SS) will be required. Complete CS-1, Part 1. Continue to 2. If No, Continue to 3.
2.	Is there a potential for disturbed soil areas within the project to discharge to storm drain inlets, drainage ditches, areas outside the right-of-way, etc?	✓		If Yes, Construction Site BMPs for Sediment Control (SC) will be required. Complete CS-1, Part 2. Continue to 3.
3.	Is there a potential for sediment or construction related materials and wastes to be tracked offsite and deposited on private or public paved roads by construction vehicles and equipment?	✓		If Yes, Construction Site BMPs for Tracking Control (TC) will be required. Complete CS-1, Part 3. Continue to 4.
4.	Is there a potential for wind to transport soil and dust offsite during the period of construction?		✓	If Yes, Construction Site BMPs for Wind Erosion Control (WE) will be required. Complete CS-1, Part 4. Continue to 5.
5.	Is dewatering anticipated or will construction activities occur within or adjacent to a live channel or stream?		✓	If Yes, Construction Site BMPs for Non-Storm Water Management (NS) will be required. Complete CS-1, Part 5. Continue to 6.
6.	Will construction include saw-cutting, grinding, drilling, concrete or mortar mixing, hydro-demolition, blasting, sandblasting, painting, paving, or other activities that produce residues?	✓		If Yes, Construction Site BMPs for Non-Storm Water Management (NS) will be required. Complete CS-1, Parts 5 & 6. Continue to 7.
7.	Are stockpiles of soil, construction related materials, and/or wastes anticipated?		✓	If Yes, Construction Site BMPs for Waste Management and Materials Pollution Control (WM) will be required. Complete CS-1, Part 6. Continue to 8.
8.	Is there a potential for construction related materials and wastes to have direct contact with precipitation; stormwater run-on, or stormwater runoff; be dispersed by wind; be dumped and/or spilled into storm drain systems?	✓		If Yes, Construction Site BMPs for Waste Management and Materials Pollution Control (WM) will be required. Complete CS-1, Part 6. Continue to 9.
9.	End of checklist.			Document for Project Files by completing this form, and attaching it to the SWDR.

PE to Initialize after concurrence with Construction (PS&E only)

Date

ATTACHMENT H

Cost Estimate

PSR Cost Estimate

District-County-Route: 03-Sut-20,99
PM: 12.12/17.06,29.67/T31.31
EA: 03-2F090K
Program Code: 201.378

PROJECT DESCRIPTION:

Limits: In Sutter county, In and near Yuba City, on SR 20 from Sycamore Canal, PM12.13, to the Sutter/Yuba County Line, PM 17.06, and on SR 99 from south of Franklin Road, PM 29.67, to Queens Ave Overcrossing, PM T31.31

Proposed Improvements:

This project proposes to install or upgrade pedestrian infrastructure within the State's right-of-way that is not in compliance with Title II of the ADA Act.

SUMMARY OF PROJECT COST ESTIMATE

TOTAL ROADWAY ITEMS	\$ 6,907,000
TOTAL STRUCTURE ITEMS	\$ 0
SUBTOTAL CONSTRUCTION COSTS	\$ 6,910,000
TOTAL RIGHT OF WAY ITEMS	\$ 298,000
TOTAL PROJECT CAPITAL OUTLAY COSTS	\$ 7,205,000

Reviewed by District Program Manager

(Signature)

Approved by Project Manager

(Signature)

Date

Phone No. _____

03-Sut-20 PM 12.12-17.06
 03-Sut-99 PM 29.67-T31.31
 EA: 03-2F090K

I. ROADWAY ITEMS

Section 1 Earthwork

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Roadway Excavation	<u>1,100</u>	<u>CY</u>	<u>\$ 80</u>	<u>\$ 88,000</u>	

Subtotal Earthwork \$ 88,000

Section 2 Pavement Structural Section

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Remove Concrete (Curb, Gutter, Curb Ramp and Sidewalk)	<u>1,550</u>	<u>CY</u>	<u>\$ 100</u>	<u>\$ 155,000</u>	
Minor Concrete (Misc. Construction)	<u>2,000</u>	<u>CY</u>	<u>\$ 450</u>	<u>\$ 900,000</u>	
Curb Ramp Detectable Warning Surface	<u>400</u>	<u>SQYD</u>	<u>\$ 100</u>	<u>\$ 40,000</u>	
Hot Mix Asphalt Concrete (Type A)	<u>50</u>	<u>TON</u>	<u>\$ 110</u>	<u>\$ 5,500</u>	
Modify X-Walk	<u>LS</u>	<u>LS</u>	<u>\$ LS</u>	<u>\$ 840,000</u>	

Subtotal Pavement Structural Section \$ 1,940,500

Section 3 Drainage

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Drainage	<u>1</u>	<u>LS</u>	<u>\$ LS</u>	<u>\$ 380,000</u>	

Subtotal Drainage \$ 380,000

03-Sut-20 PM 12.12-17.06
 03-Sut-99 PM 29.67-T31.31
 EA: 03-2F090K

Section 4: Specialty Items

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Resident Engineer Office Space	<u>1</u>	<u>LS</u>	<u>\$ LS</u>	<u>\$ 5,000</u>	
Water Pollution Control	<u>1</u>	<u>LS</u>	<u>\$ LS</u>	<u>\$ 80,000</u>	

Subtotal Specialty Items \$ 85,000

Section 5: Traffic Items

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Electrical	<u>1</u>	<u>LS</u>	<u>\$ LS</u>	<u>\$ 800,000</u>	
Traffic Management Planning	<u>1</u>	<u>LS</u>	<u>\$ LS</u>	<u>\$ 475,000</u>	
Signing and Striping	<u>1</u>	<u>LS</u>	<u>\$ LS</u>	<u>\$ 20,000</u>	

Subtotal Traffic Items \$ 1,295,000

Section 6 Planting and Irrigation

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Landscape	<u>1</u>	<u>LS</u>	<u>\$ 547,030</u>	<u>\$ 547,030</u>	

Subtotal Planting and Irrigation Section \$ 547,030

Section 7: Roadside Management & Safety

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Hazardous Waste(ISA)	<u>1</u>	<u>LS</u>	<u>\$ LS</u>	<u>\$ 50,000</u>	

Subtotal Roadside Management and Safety Section \$ 50,000

Section 8: Minor Items

\$ 4,385,530 x (5%) = \$ 219,277
(Subtotal Sections 1 thru 7)

TOTAL MINOR ITEMS \$ 219,277

Section 9: Roadway Mobilization

\$ 4,604,807 x (10%) = \$ 460,481
(Subtotal Sections 1 thru 8)

TOTAL ROADWAY MOBILIZATION \$ 460,481

Section 10 Roadway Additions

Supplemental Work
\$ 4,604,807 x (5%) = \$ 230,240
(Subtotal Sections 1 thru 8)

Contingencies
\$ 4,604,807 x (35%) = \$ 1,611,682
(Subtotal Sections 1 thru 8)

TOTAL ROADWAY ADDITIONS \$ 1,841,923

TOTAL ROADWAY ITEMS \$ 6,907,210
(Subtotal Sections 1 thru 10)

Estimate Prepared By Fakhreddin Ijadi Phone#: (530)634-7621 Date: 4/13/2011

Estimate Checked By M. Saeed Chaudhary Phone#: (530)741-5407 Date: 4/13/2011

District-County-Route:

PM:

EA:

03-Sut-20,99
12.13/17.06, 29.67/T31.31
03-2F090K

III. RIGHT OF WAY ITEMS

ESCALATED VALUE

A. Acquisition, including excess lands, damages to remainder(s) and Goodwill	\$	294,225
B. Utility Relocation (State share)	\$	0
C. Relocation Assistance	\$	0
D. Clearance/Demolition	\$	0
E. Title and Escrow Fees	\$	0
F. Project Development Permit Fees	\$	4,232
TOTAL RIGHT OF WAY ITEMS \$		298,000
(Escalated Value)		

Anticipated Date of Right of Way Certification 1-May-12
(Date to which Values are Escalated)

F. Construction Contract Work: This project proposes to install or upgrade pedestrian infrastructure within the State's right-of-way that is not in compliance with Title II of the ADA Act.

Right of Way Branch Cost Estimate for Work * \$ _____

COMMENTS:

*Do not include in Right of Way Items.

Estimate Prepared By

Fakhreddin Ijadi

Phone#

(530)634-762

Date:

4/13/2011

District-County-Route: 03-Sut-20,99
PM: 12.13/17.06,29.67/T31.31
EA: 03-2F090K

II. STRUCTURES ITEMS

	Structure One	Structure Two	Structure Three
Bridge Name			
Structure Type			
Width (out to out) - (ft)			
Span Lengths - (ft)			
Total Area - (ft2)			
Footing Type (pile/spread)			
Cost Per ft2			
(incl. 10% mobilization and 20% contingency)			
Total Cost for Structure			<u>0</u>
SUBTOTAL STRUCTURES ITEMS for Structures)			\$ <u>0</u>
Railroad Related Costs:			\$ <u>0</u>
SUBTOTAL RAILROAD ITEMS			\$ <u>0</u>
TOTAL STRUCTURES ITEMS (Sum of Structures Items plus Railroad Items)			\$ <u>0</u>

COMMENTS:

Estimate Prepared By:

Fakhreddin Ijadi

Date:

4/13/2011

ATTACHMENT I

Programming Sheet

PROGRAMMING SHEET - 2010/2011

 EA: 03-2F090
 Proj Name: SUT-20/99 ADA

 Project Manager: Ali Kiani
 Co-Rte-PM: SUT-020- 012.1/ 017.0

 Date: 06/13/2011
 Type: SHOPP

PROJECT SCHEDULE

MILESTONE		DATE (STATUS)
Begin Environmental Document	M020	09/01/2011 (T)
Begin Project Report	M040	07/01/2011 (T)
Circulate Environmental Document (DED)	M120	
Project Approval & Environmental Document (PA&ED)	M200	04/01/2012 (T)
District Submits Bridge Site Data to Structures	M221	
Right of Way Maps	M224	04/01/2012 (T)
Regular Right of Way	M225	10/01/2012 (T)
District Plans, Specifications & Estimates to DOE	M377	07/01/2013 (T)
Draft Structures Plans, Specifications & Estimates	M378	
District Plans, Specifications & Estimates (PS&E)	M380	11/01/2013 (T)
Right of Way Certification	M410	11/01/2013 (T)
Ready to List (RTL)	M460	01/01/2014 (T)
Headquarters Advertise (HQ AD)	M480	03/01/2014 (T)
Approve Construction Contract	M500	07/01/2014 (T)
Contract Acceptance (CCA)	M600	11/01/2015 (T)
End Project	M800	11/01/2017 (T)

ESTIMATE	DATE	AMOUNT
ROADWAY	04/25/11	\$ 6907
BRIDGE		\$ 0
Subtotal Const		\$ 6907
RIGHT OF WAY	03/28/11	\$ 298
MITIGATION		\$ 0
Subtotal RW		\$ 298
GRAND TOTAL		\$ 7205

EXISTING PROGRAMMING	
PAED	\$
PS&E	\$
RW - Sup	\$
RW - Cap	\$
Const - Sup	\$
Const - Cap	\$

*Does not apply to RW Capital + Not Escalated ++ Only Escalated to 1 year into Future

PROJECT COSTS BY SB45 CATEGORY

CAPITAL COST ESTIMATE (Escalation Factor)	Prior Yrs+	10/11+	11/12 (3.5%)	12/13 (3.5%)	13/14 (3.5%)	14/15 (3.5%)	Future++ (3.5%)	Total
Right of Way			298					\$ 298
Construction					7657			\$ 7,658
CAPITAL COSTS TOTAL								\$ 7,956
SUPPORT COSTS (Escalation Factor)			(1.5%)	(1.5%)	(1.5%)	(1.5%)	(1.5%)	Sup/Cap
PAED		1	231					\$ 232 2.91%
PS&E			306	303	176			\$ 786 9.87%
Right of Way			41	672	331	65	148	\$ 1,257 15.80%
Construction						662	341	\$ 1,003 12.61%
SUPPORT COSTS TOTAL								\$3,277 41.20%
TOTAL PROJECT COSTS								\$ 11,233

PROJECT SUPPORT IN PYS

	Prior Yrs	10/11	11/12	12/13	13/14	14/15	Future	Total	PY %
Environmental	0.00	0.00	1.21	0.07	0.06	0.06	0.06	1.46	6.15%
Design	0.00	0.00	0.03	0.11	0.00	0.01	0.00	0.15	0.63%
Engineering Services	0.00	0.00	0.45	0.06	0.21	0.10	0.04	0.86	3.62%
Surveys	0.00	0.00	0.65	0.94	0.49	0.25	0.52	2.85	12.00%
Right of Way	0.00	0.00	0.09	4.45	2.17	0.24	0.55	7.50	31.58%
Traffic	0.00	0.00	1.47	1.30	0.29	0.20	0.14	3.40	14.32%
Construction	0.00	0.00	0.00	0.01	0.07	3.79	1.75	5.62	23.66%
Project Management	0.00	0.00	0.09	0.12	0.13	0.07	0.16	0.57	2.40%
District Units*	0.00	0.00	0.80	0.03	0.05	0.05	0.05	0.98	4.13%
Subtotal Dist/Region Resources	0.00	0.00	4.79	7.09	3.47	4.77	3.27	23.39	98.48%
59-DES Project Development	0.00	0.00	0.00	0.00	0.03	0.10	0.03	0.16	0.67%
59-DES Structures Foundation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%
59-Office Engineer	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.18	0.76%
59-DES Project Management	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.02	0.08%
59-DES Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%
59-DES Other Units**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%
Subtotal DES Resources	0.00	0.00	0.00	0.01	0.22	0.10	0.03	0.36	1.52%
TOTAL PYs	0.00	0.00	4.79	7.10	3.69	4.87	3.30	23.75	

*Admin, PIng, Maintenance

**DES Admin, DES PIng, DES Maintenance

HRS/PYS = 1758

Comments: